

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF080816\
 Data File : BF089673.D
 Acq On : 8 Aug 2016 21:49
 Operator : UM/SJ
 Sample : H4288-12
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-66-0.5-1.5

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Quant Time: Aug 09 13:55:19 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF080416.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 05 01:39:23 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.42	152	47665	20.00	ng	-0.03
21) Naphthalene-d8	9.45	136	202087	20.00	ng	-0.02
38) Acenaphthene-d10	12.26	164	95468	20.00	ng	-0.03
63) Phenanthrene-d10	14.66	188	179292	20.00	ng	-0.03
75) Chrysene-d12	18.37	240	106566	20.00	ng	-0.02
86) Perylene-d12	20.02	264	107444	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.31	112	316928	111.44	ng	0.00
7) Phenol-d6	6.96	99	424623	110.07	ng	-0.02
23) Nitrobenzene-d5	8.33	82	266551	72.96	ng	-0.03
41) 2,4,6-Tribromophenol	13.57	330	79878	101.39	ng	-0.02
44) 2-Fluorobiphenyl	11.23	172	479175	65.23	ng	-0.02
78) Terphenyl-d14	17.03	244	330336	61.19	ng	-0.02
Target Compounds						Qvalue
49) Dimethylphthalate	11.92	163	84499	11.29	ng	100
70) Phenanthrene	14.70	178	147573	15.14	ng	99
71) Anthracene	14.79	178	41859	4.00	ng	98
73) Di-n-butylphthalate	15.67	149	47415	4.02	ng	98
74) Fluoranthene	16.47	202	247210	24.67	ng	99
77) Pyrene	16.77	202	221475	23.51	ng	# 94
80) Benzo(a)anthracene	18.35	228	98813	16.14	ng	99
82) Chrysene	18.40	228	81526	12.69	ng	98
85) Indeno(1,2,3-cd)pyrene	21.20	276	61517	12.61	ng	96
87) Benzo(b)fluoranthene	19.62	252	130960m	19.82	ng	
88) Benzo(k)fluoranthene	19.65	252	31030m	4.65	ng	
89) Benzo(a)pyrene	19.97	252	90125	14.57	ng	# 94
90) Dibenzo(a,h)anthracene	21.21	278	15110	2.61	ng	# 84
91) Benzo(g,h,i)perylene	21.53	276	58232	9.84	ng	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

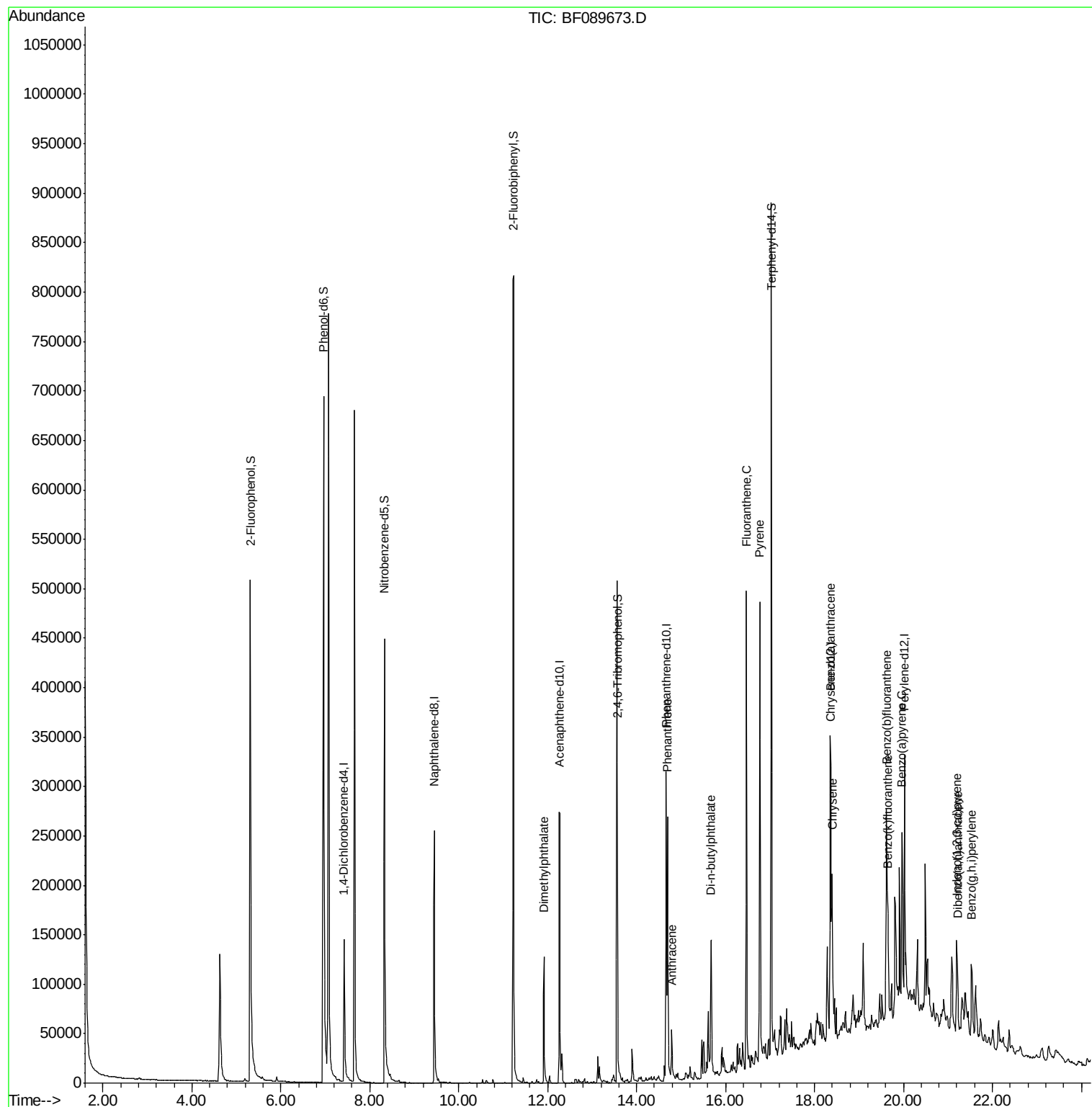
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF080816\
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ALS Vial : 16 Sample Multiplier: 1

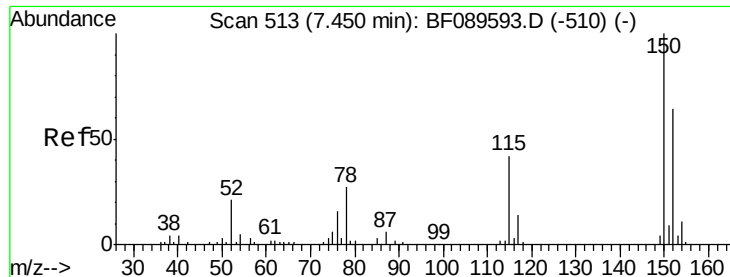
Instrument :
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Quant Time: Aug 09 13:55:19 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF080416.M
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#1

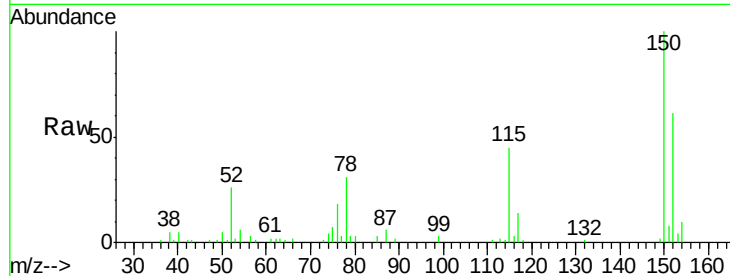
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.42 min Scan# 510
Delta R.T. -0.03 min
Lab File: BF089673.D
Acq: 8 Aug 2016 21:49

Instrument :
BNA_F
ClientSampleId :
SB-66-0.5-1.5

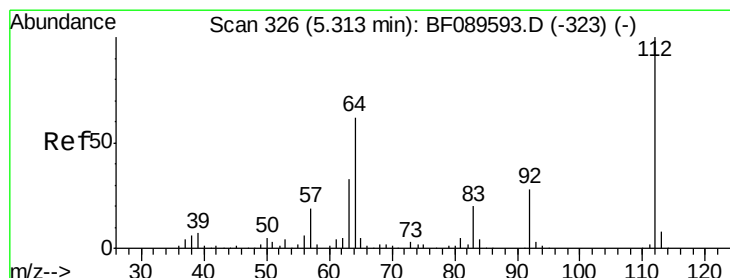
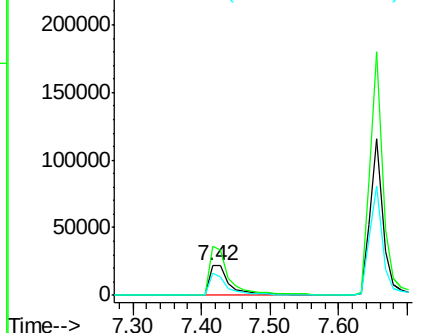
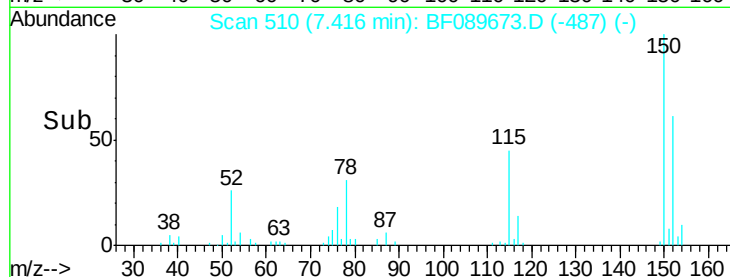
Tgt Ion	Ratio	Lower	Upper
152	100		
150	164.5	125.5	188.3
115	73.9	52.0	78.0

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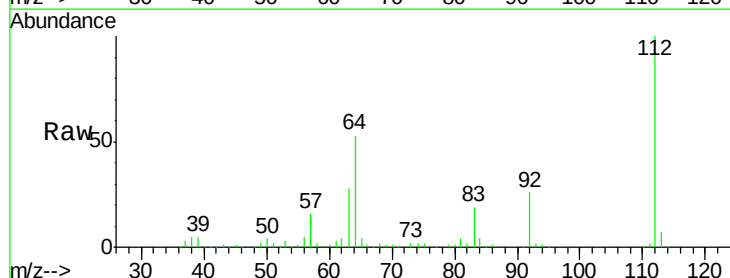
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



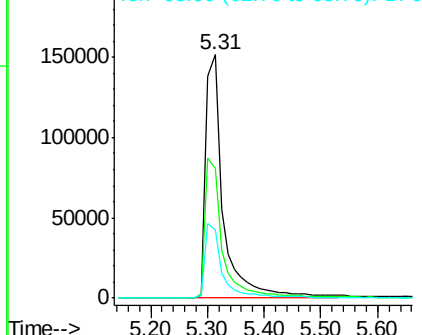
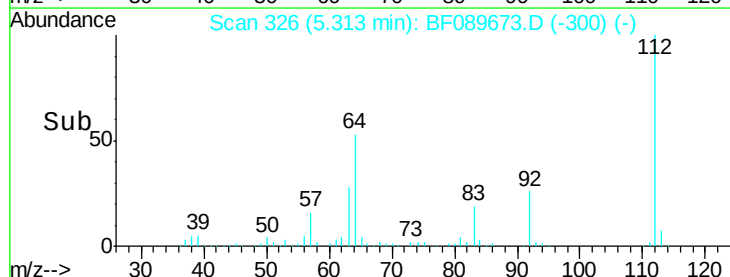
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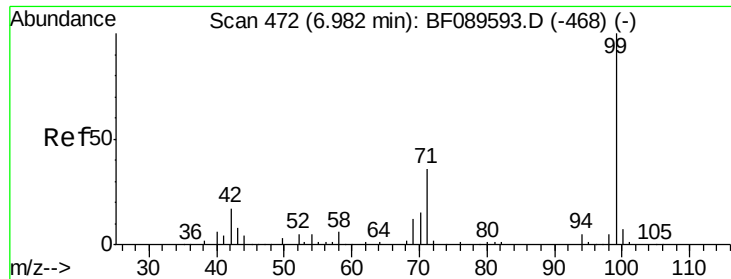
2-Fluorophenol
Concen: 111.44 ng
RT: 5.31 min Scan# 326
Delta R.T. 0.00 min
Lab File: BF089673.D
Acq: 8 Aug 2016 21:49

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.5	49.9	74.9
63	28.2	26.1	39.1



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 110.07 ng

RT: 6.96 min Scan# 470

Delta R.T. -0.02 min

Lab File: BF089673.D

Acq: 8 Aug 2016 21:49

Instrument :

BNA_F

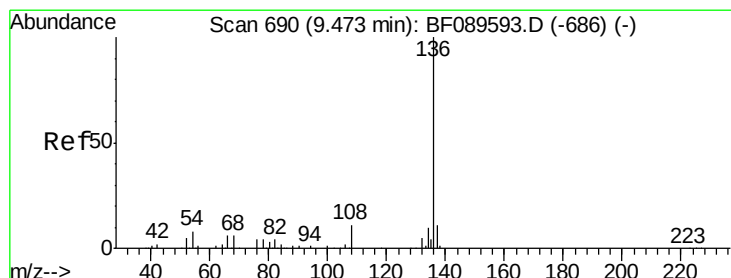
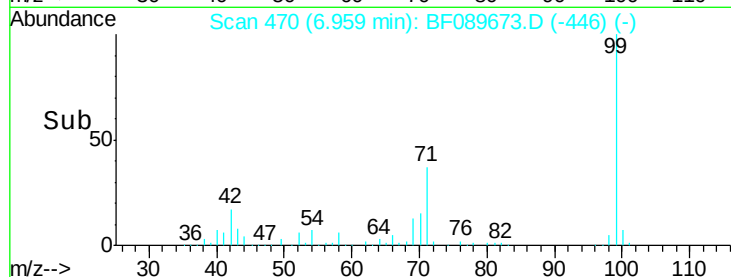
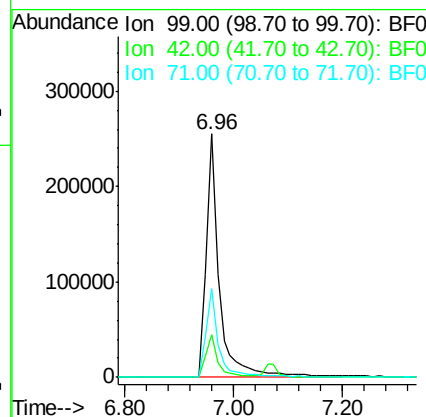
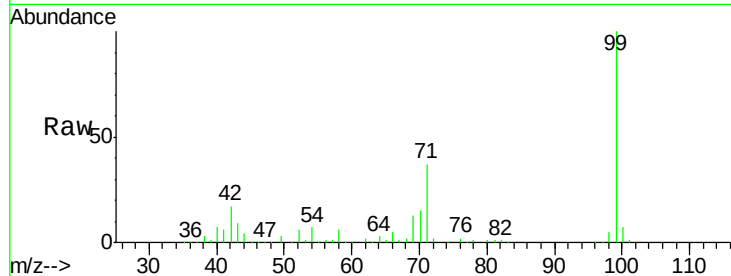
ClientSampleId :

SB-66-0.5-1.5

Tgt Ion:	99	Resp:	424623
Ion Ratio	Lower	Upper	
99	100		
42	17.4	13.7	20.5
71	36.6	29.0	43.4

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#21

Naphthalene-d8

Concen: 20.00 ng

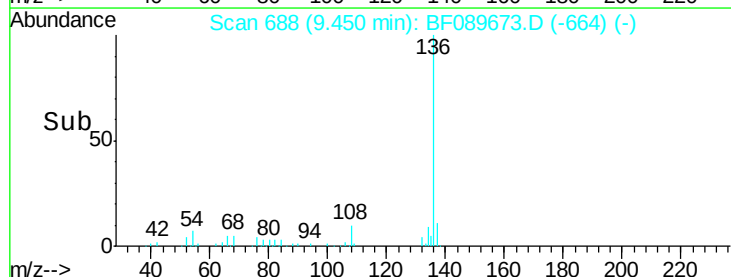
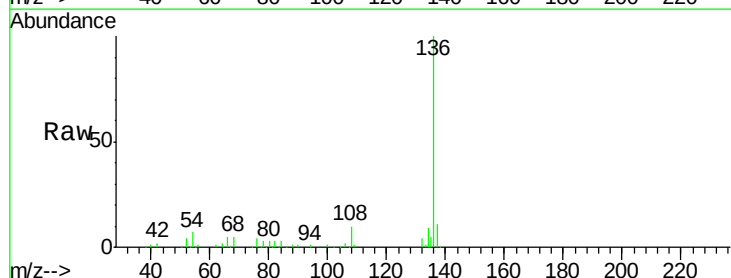
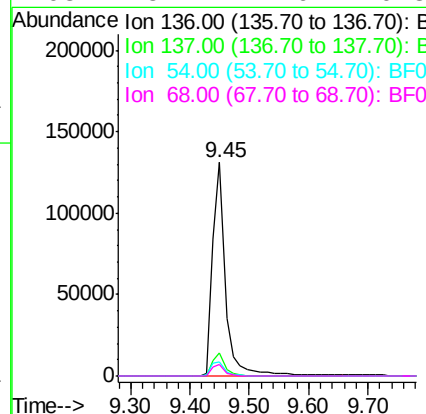
RT: 9.45 min Scan# 688

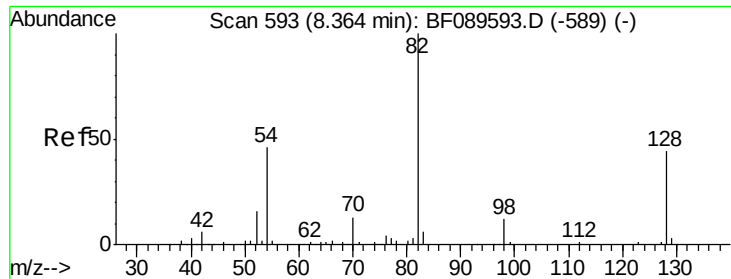
Delta R.T. -0.02 min

Lab File: BF089673.D

Acq: 8 Aug 2016 21:49

Tgt Ion:	136	Resp:	202087
Ion Ratio	Lower	Upper	
136	100		
137	10.7	8.6	12.8
54	6.7	6.0	9.0
68	5.2	4.6	6.8





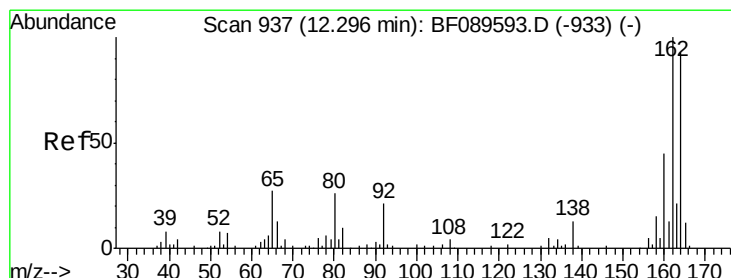
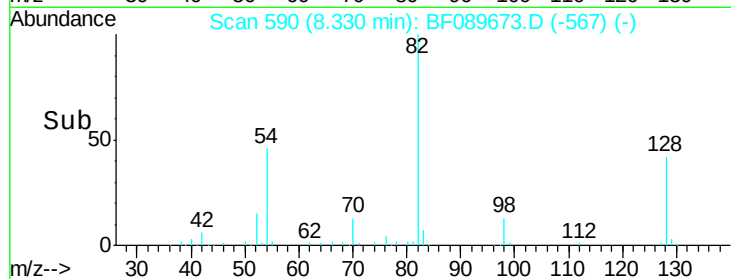
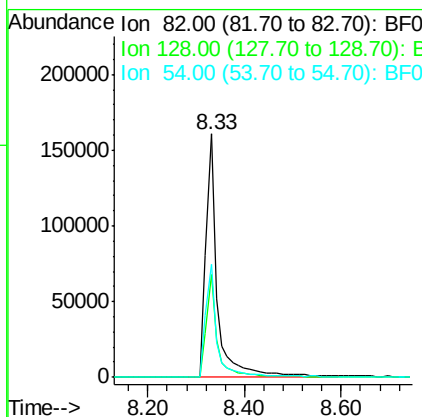
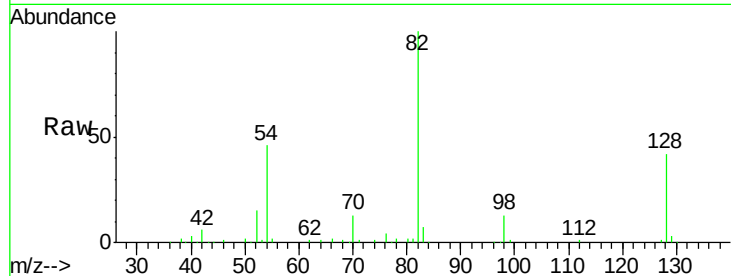
#23
 Nitrobenzene-d5
 Concen: 72.96 ng
 RT: 8.33 min Scan# 590
 Delta R.T. -0.03 min
 Lab File: BF089673.D
 Acq: 8 Aug 2016 21:49

Instrument :
 BNA_F
 ClientSampleId :
 SB-66-0.5-1.5

Tgt Ion	82	Resp	266551
Ion Ratio	100	Lower	Upper
128	42.3	35.4	53.0
54	46.5	36.4	54.6

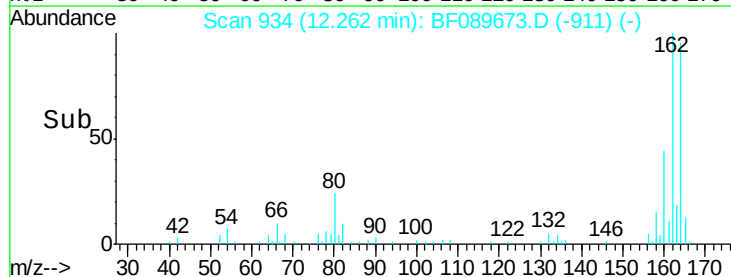
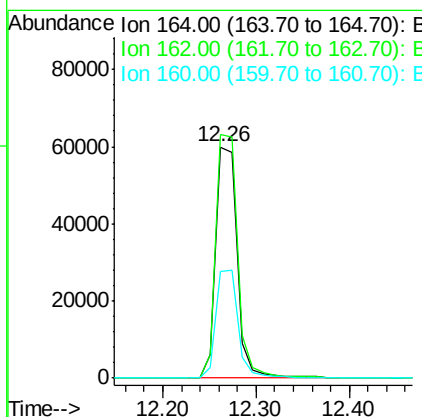
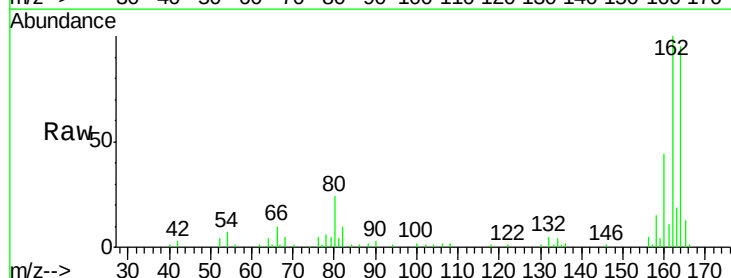
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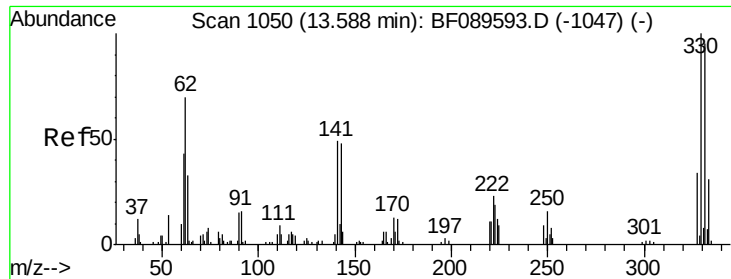
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 12.26 min Scan# 934
 Delta R.T. -0.03 min
 Lab File: BF089673.D
 Acq: 8 Aug 2016 21:49

Tgt Ion	164	Resp	95468
Ion Ratio	100	Lower	Upper
162	105.4	85.7	128.5
160	46.4	38.2	57.4





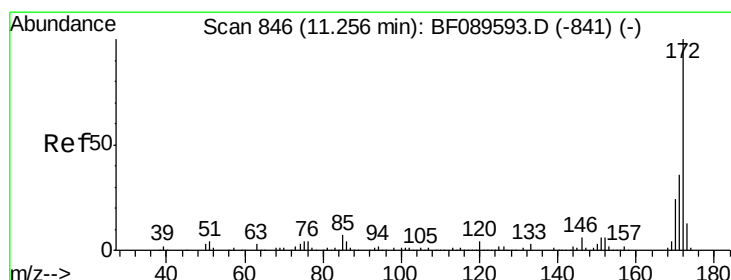
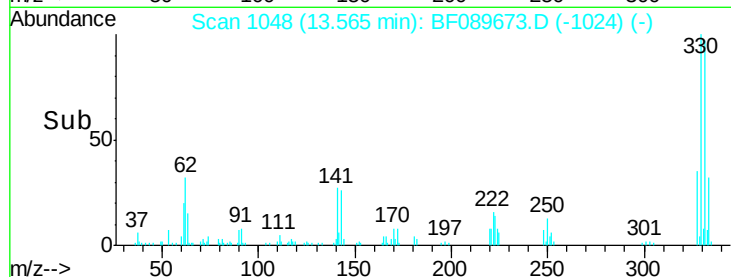
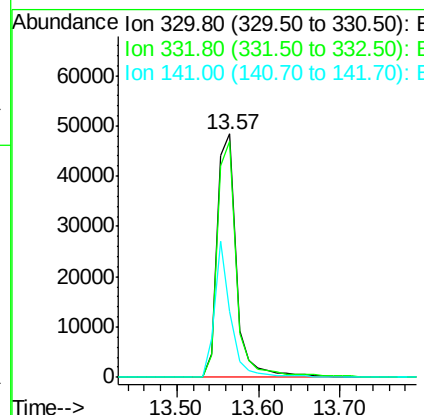
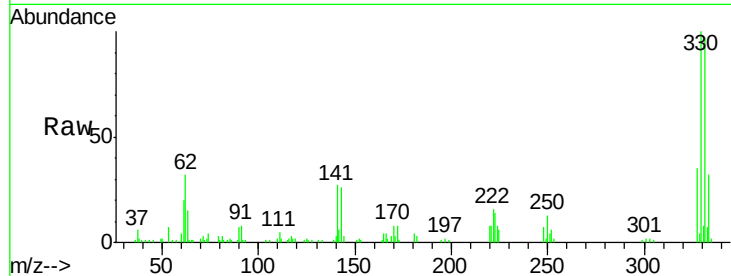
#41
 2,4,6-Tribromophenol
 Concen: 101.39 ng
 RT: 13.57 min Scan# 1048
 Delta R.T. -0.02 min
 Lab File: BF089673.D
 Acq: 8 Aug 2016 21:49

Instrument :
 BNA_F
 ClientSampleId :
 SB-66-0.5-1.5

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.2	77.0	115.6
141	47.7	38.6	57.8

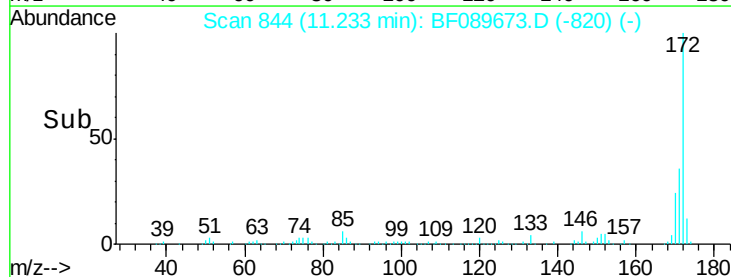
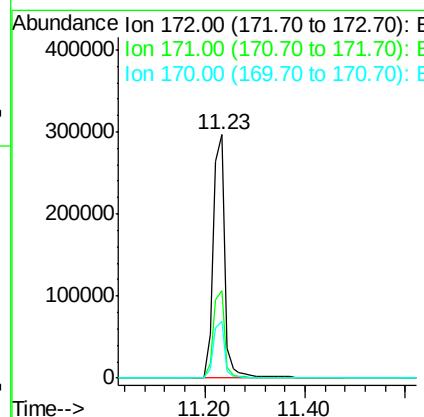
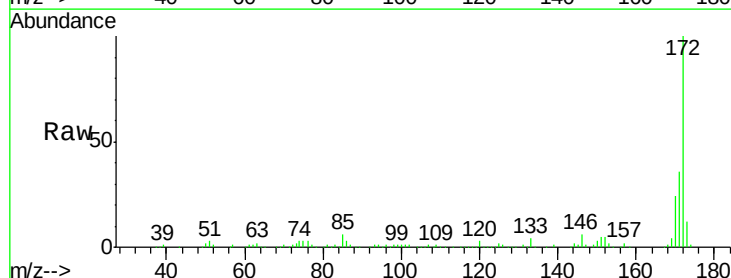
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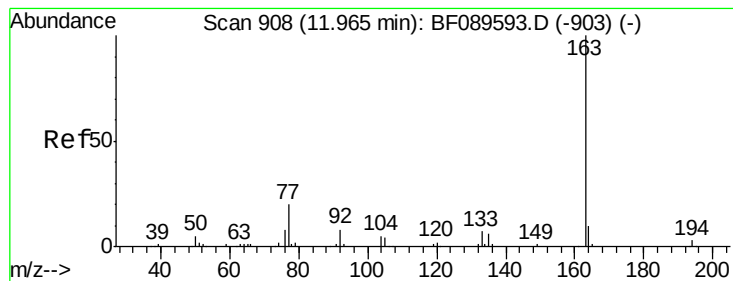
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#44
 2-Fluorobiphenyl
 Concen: 65.23 ng
 RT: 11.23 min Scan# 844
 Delta R.T. -0.02 min
 Lab File: BF089673.D
 Acq: 8 Aug 2016 21:49

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.7	28.9	43.3
170	23.5	19.0	28.6





#49

Dimethylphthalate

Concen: 11.29 ng

RT: 11.92 min Scan# 904

Delta R.T. -0.05 min

Lab File: BF089673.D

Acq: 8 Aug 2016 21:49

Instrument :

BNA_F

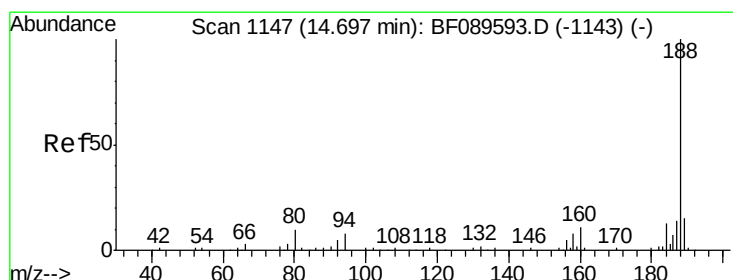
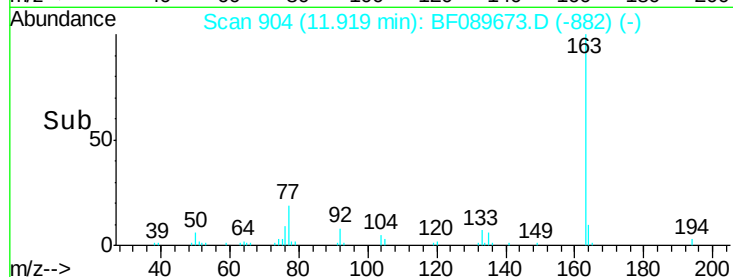
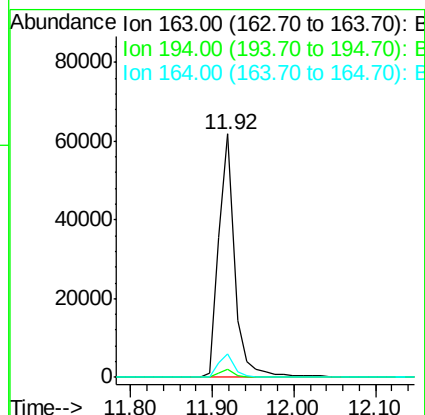
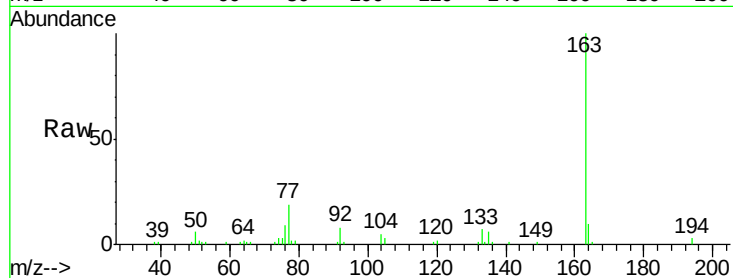
ClientSampleId :

SB-66-0.5-1.5

Tgt Ion:	163	Resp:	84499
Ion Ratio	Lower	Upper	
163	100		
194	3.4	2.7	4.1
164	9.9	7.8	11.6

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#63

Phenanthrene-d10

Concen: 20.00 ng

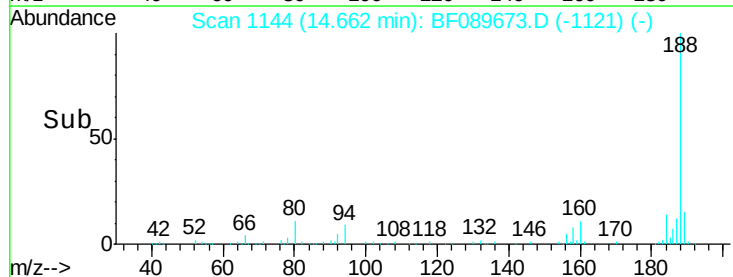
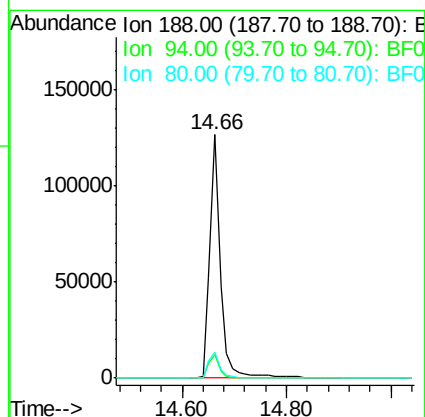
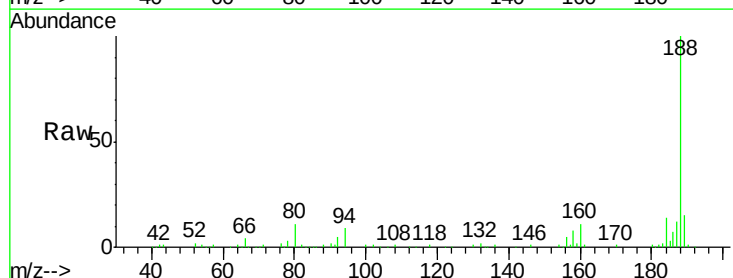
RT: 14.66 min Scan# 1144

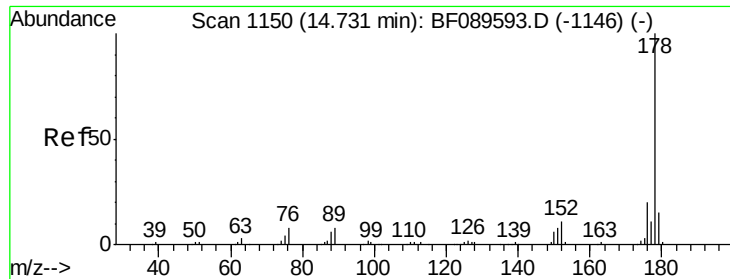
Delta R.T. -0.03 min

Lab File: BF089673.D

Acq: 8 Aug 2016 21:49

Tgt Ion:	188	Resp:	179292
Ion Ratio	Lower	Upper	
188	100		
94	9.5	6.5	9.7
80	10.7	8.0	12.0





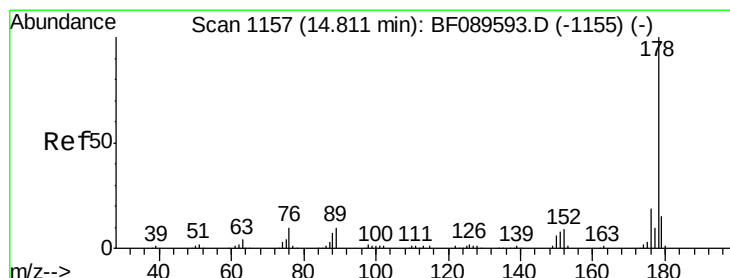
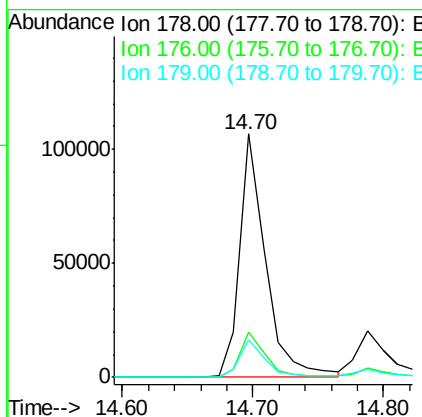
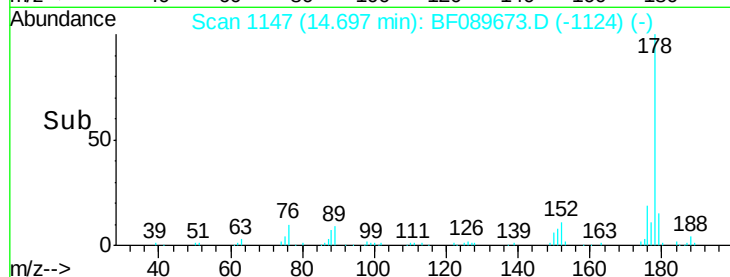
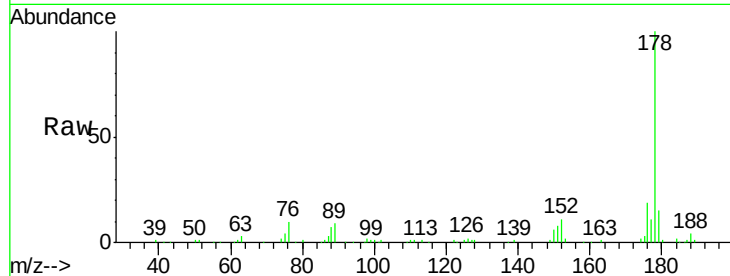
#70
Phenanthrene
Concen: 15.14 ng
RT: 14.70 min Scan# 1147
Delta R.T. -0.03 min
Lab File: BF089673.D
Acq: 8 Aug 2016 21:49

Instrument :
BNA_F
ClientSampleId :
SB-66-0.5-1.5

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.7	23.5
179	15.4	12.2	18.2

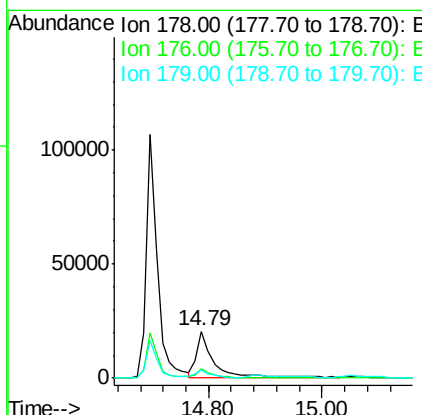
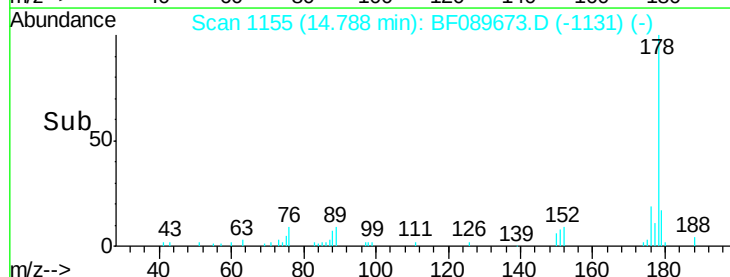
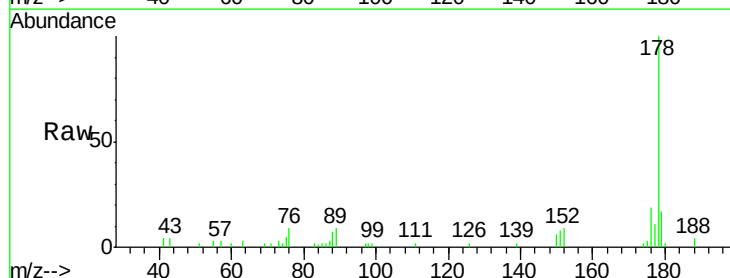
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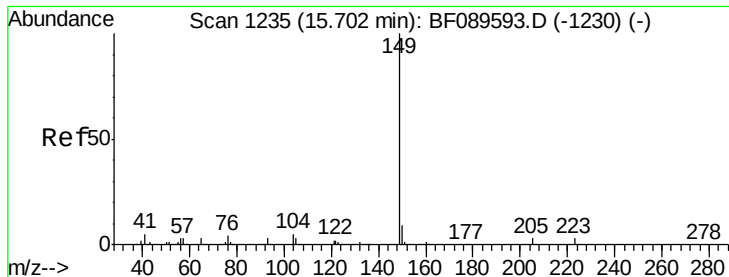
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#71
Anthracene
Concen: 4.00 ng
RT: 14.79 min Scan# 1155
Delta R.T. -0.02 min
Lab File: BF089673.D
Acq: 8 Aug 2016 21:49

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.0	22.4
179	17.3	12.4	18.6





#73

Di-n-butylphthalate

Concen: 4.02 ng

RT: 15.67 min Scan# 1232

Delta R.T. -0.03 min

Lab File: BF089673.D

Acq: 8 Aug 2016 21:49

Instrument :

BNA_F

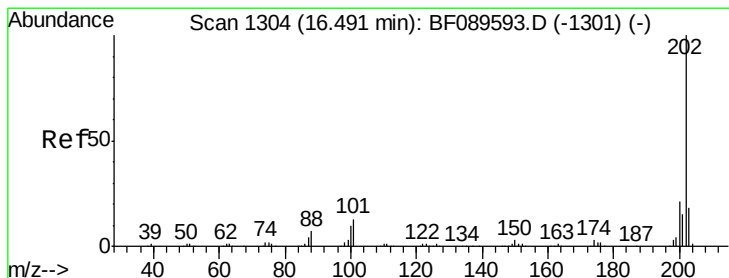
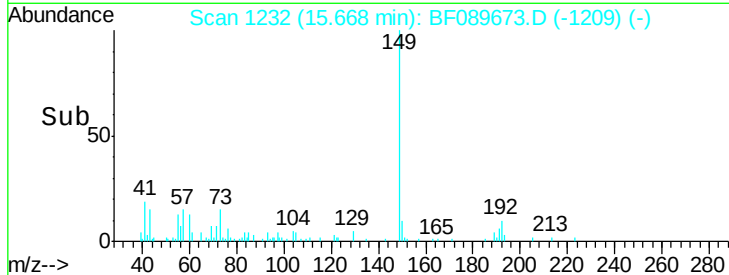
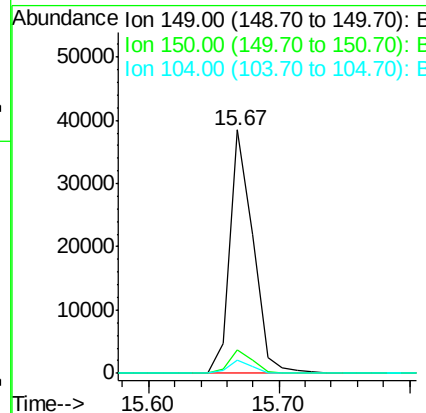
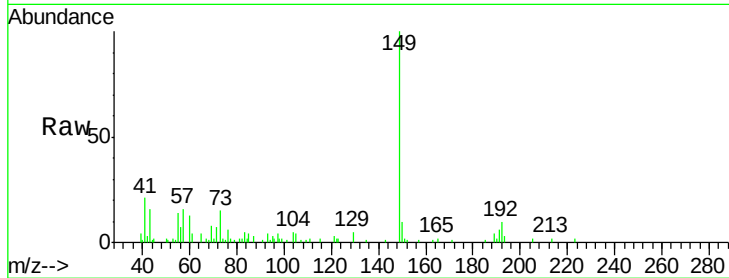
ClientSampleId :

SB-66-0.5-1.5

Tgt Ion:	149	Resp:	47415
Ion Ratio	Lower	Upper	
149	100		
150	9.7	7.2	10.8
104	5.3	3.8	5.8

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#74

Fluoranthene

Concen: 24.67 ng

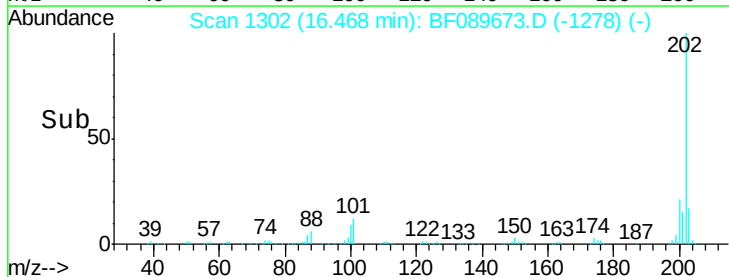
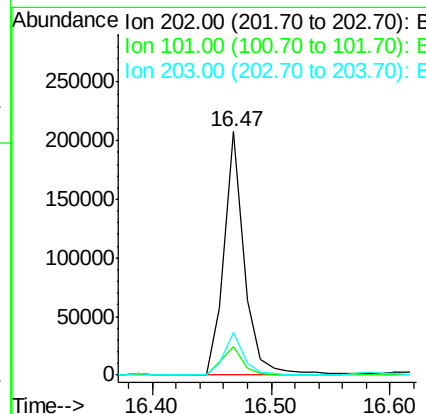
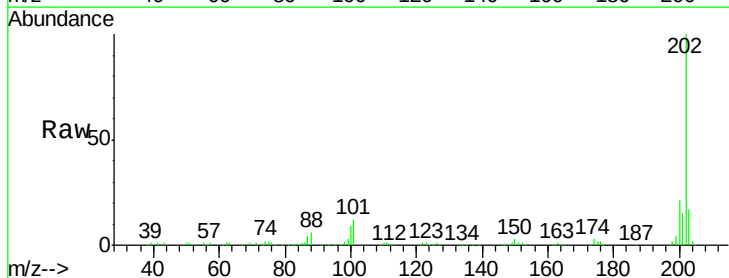
RT: 16.47 min Scan# 1302

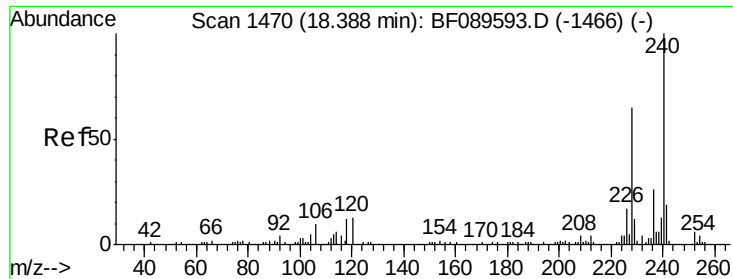
Delta R.T. -0.02 min

Lab File: BF089673.D

Acq: 8 Aug 2016 21:49

Tgt Ion:	202	Resp:	247210
Ion Ratio	Lower	Upper	
202	100		
101	11.8	0.0	32.7
203	17.5	0.0	37.8





#75

Chrysene-d12

Concen: 20.00 ng

RT: 18.37 min Scan# 1468

Delta R.T. -0.02 min

Lab File: BF089673.D

Acq: 8 Aug 2016 21:49

Instrument :

BNA_F

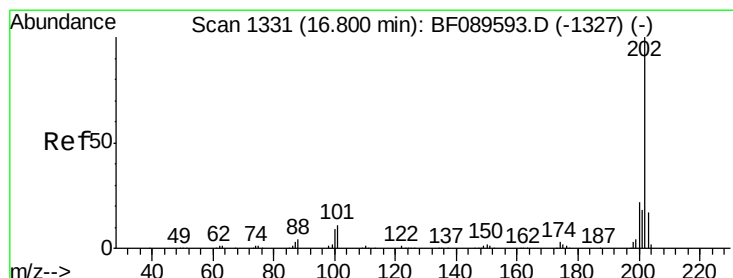
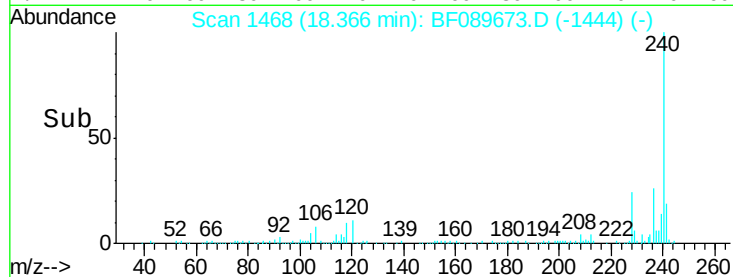
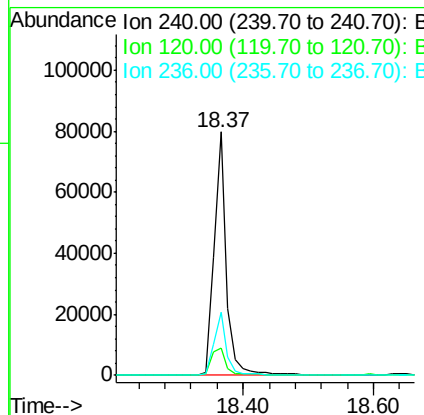
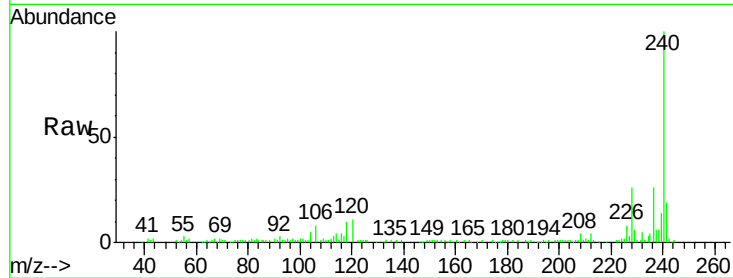
ClientSampleId :

SB-66-0.5-1.5

Tgt Ion:	240	Resp:	106566
Ion Ratio	Lower	Upper	
240	100		
120	10.9	10.6	15.8
236	25.8	20.6	30.8

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#77

Pyrene

Concen: 23.51 ng

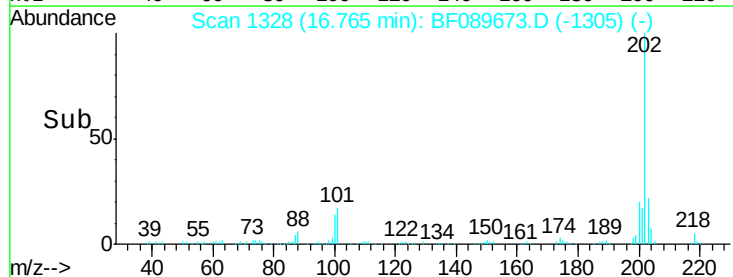
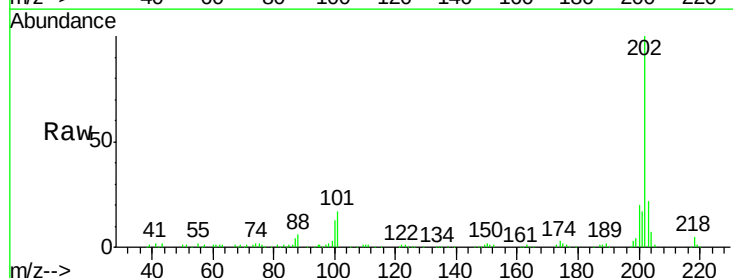
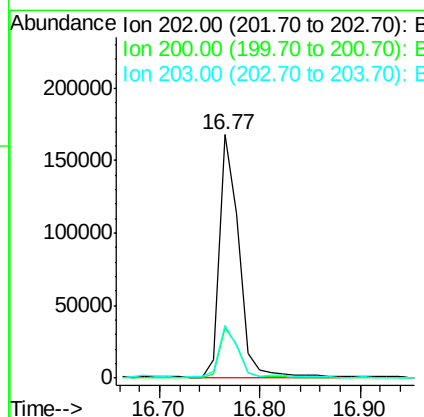
RT: 16.77 min Scan# 1328

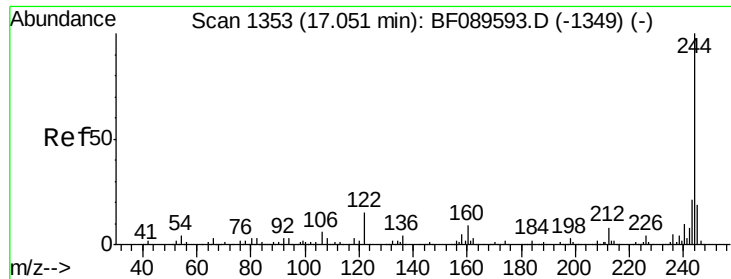
Delta R.T. -0.03 min

Lab File: BF089673.D

Acq: 8 Aug 2016 21:49

Tgt Ion:	202	Resp:	221475
Ion Ratio	Lower	Upper	
202	100		
200	20.5	17.4	26.0
203	21.9	13.6	20.4#





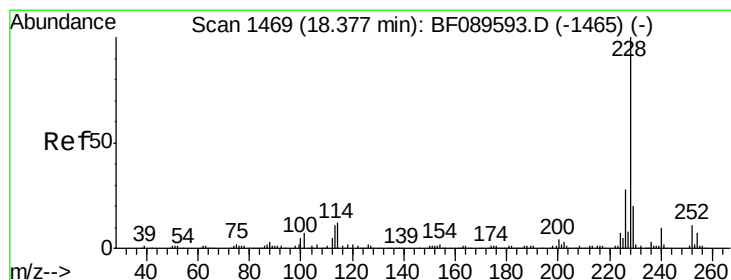
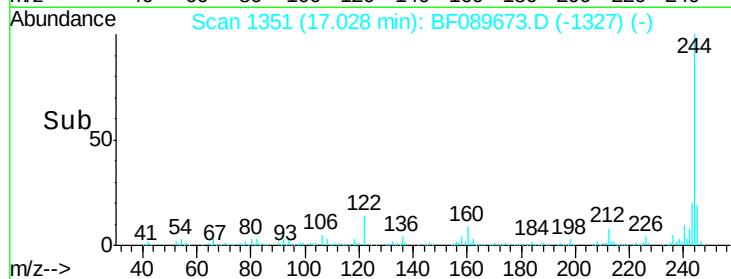
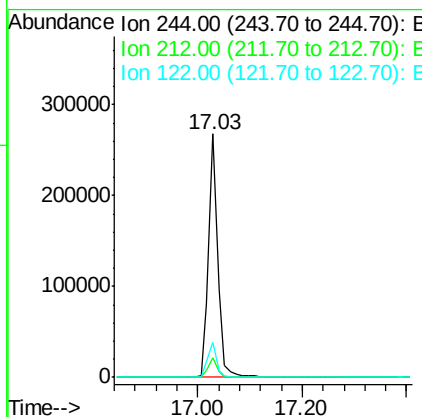
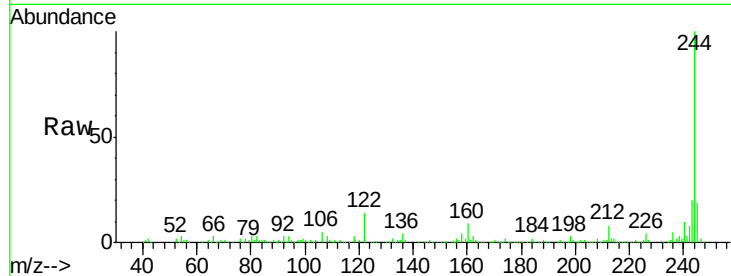
#78
 Terphenyl-d14
 Concen: 61.19 ng
 RT: 17.03 min Scan# 1351
 Delta R.T. -0.02 min
 Lab File: BF089673.D
 Acq: 8 Aug 2016 21:49

Instrument :
 BNA_F
 ClientSampleId :
 SB-66-0.5-1.5

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	330336		
212	8.0	6.4	9.6	
122	14.1	12.2	18.2	

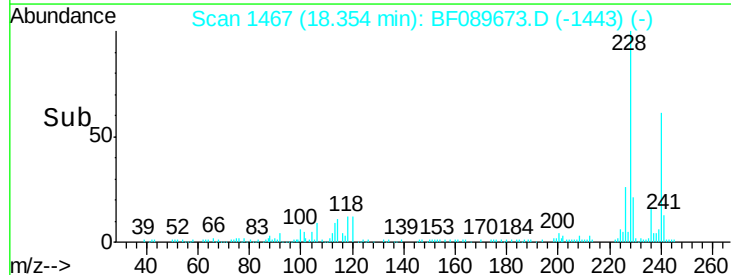
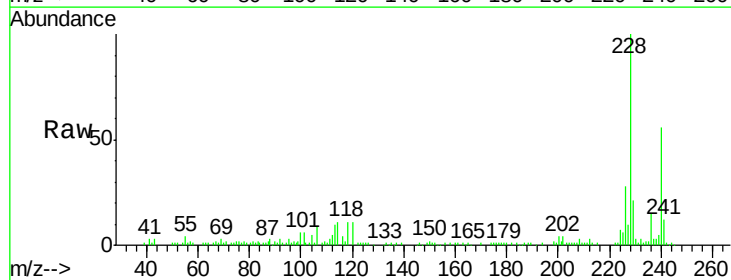
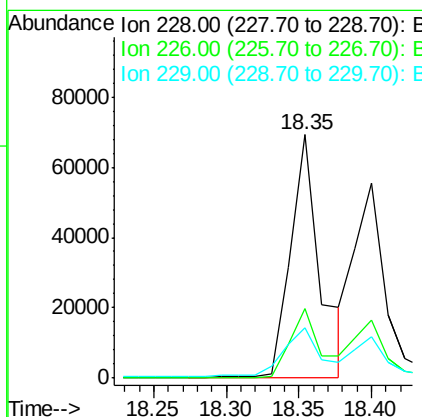
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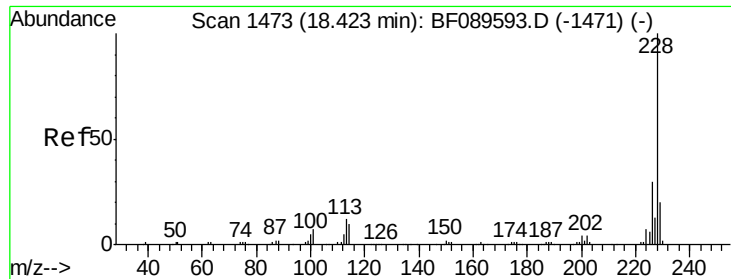
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#80
 Benzo(a)anthracene
 Concen: 16.14 ng
 RT: 18.35 min Scan# 1467
 Delta R.T. -0.02 min
 Lab File: BF089673.D
 Acq: 8 Aug 2016 21:49

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	98813		
226	28.5	22.3	33.5	
229	20.8	15.9	23.9	





#82

Chrysene

Concen: 12.69 ng

RT: 18.40 min Scan# 1471

Delta R.T. -0.02 min

Lab File: BF089673.D

Acq: 8 Aug 2016 21:49

Instrument :

BNA_F

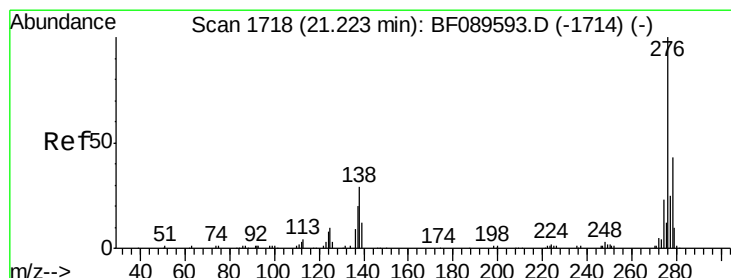
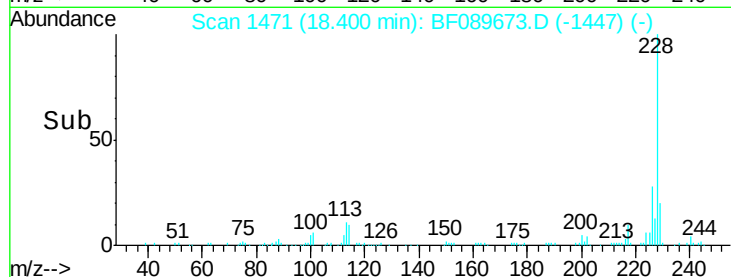
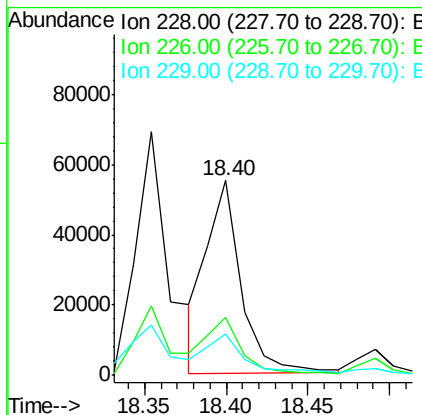
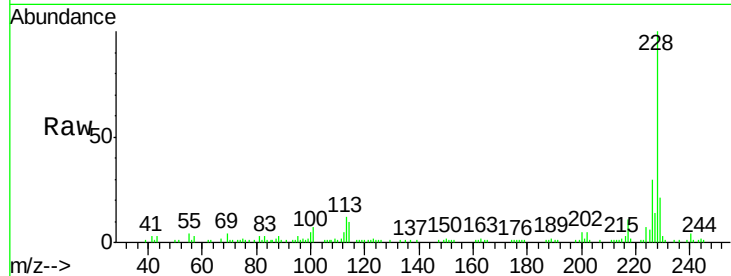
ClientSampleId :

SB-66-0.5-1.5

Tgt Ion:	228	Resp:	81526
Ion Ratio	Lower	Upper	
228	100		
226	29.6	24.2	36.2
229	21.4	16.0	24.0

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#85

Indeno(1,2,3-cd)pyrene

Concen: 12.61 ng

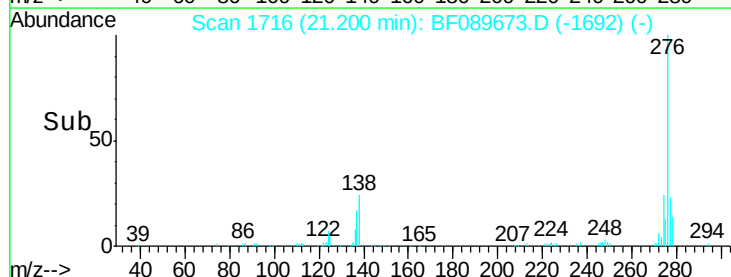
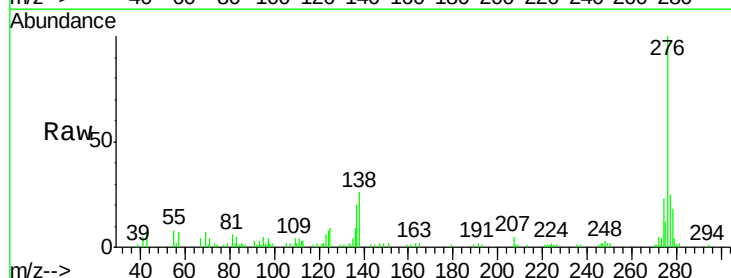
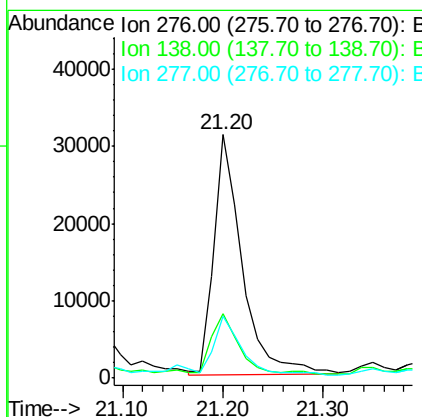
RT: 21.20 min Scan# 1716

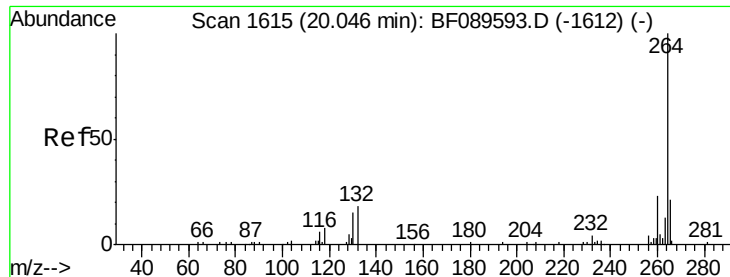
Delta R.T. -0.02 min

Lab File: BF089673.D

Acq: 8 Aug 2016 21:49

Tgt Ion:	276	Resp:	61517
Ion Ratio	Lower	Upper	
276	100		
138	26.1	23.8	35.8
277	25.5	20.3	30.5





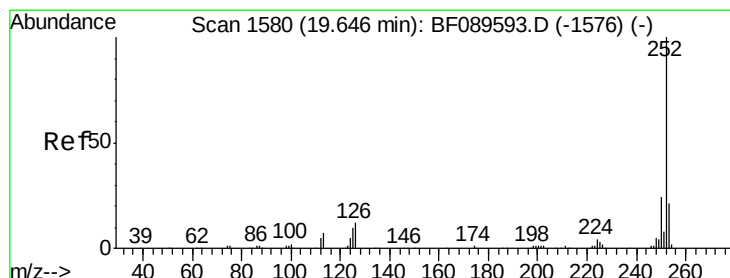
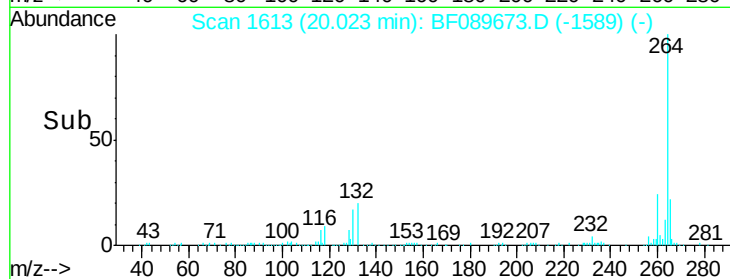
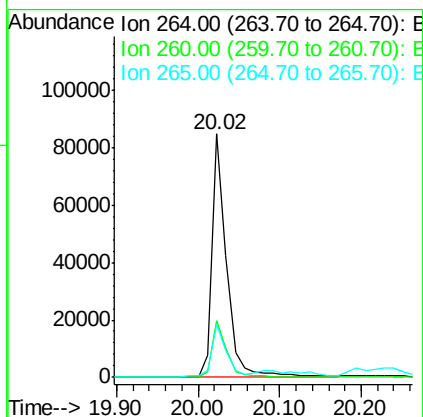
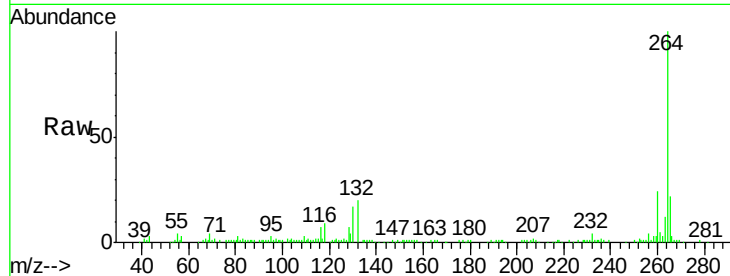
#86
Perylene-d12
Concen: 20.00 ng
RT: 20.02 min Scan# 1613
Delta R.T. -0.02 min
Lab File: BF089673.D
Acq: 8 Aug 2016 21:49

Instrument :
BNA_F
ClientSampleId :
SB-66-0.5-1.5

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.7	28.1
265	21.6	16.5	24.7

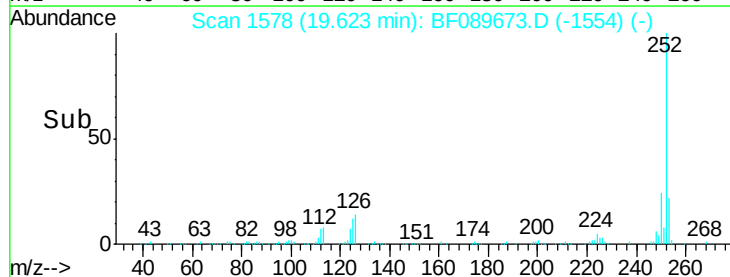
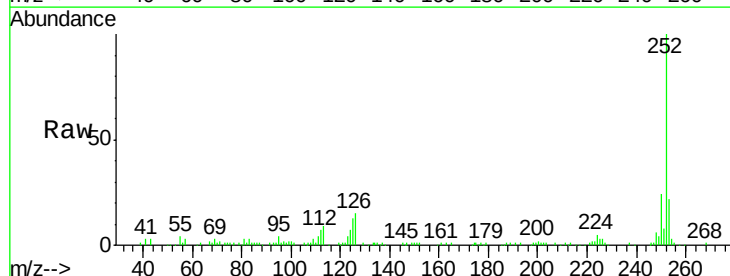
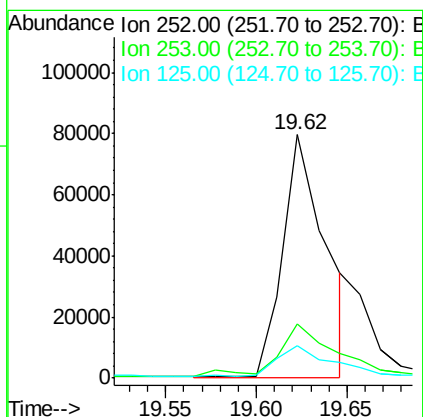
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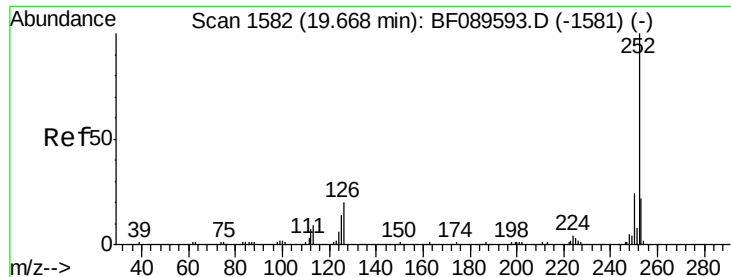
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#87
Benzo(b)fluoranthene
Concen: 19.82 ng m
RT: 19.62 min Scan# 1578
Delta R.T. -0.02 min
Lab File: BF089673.D
Acq: 8 Aug 2016 21:49

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.1	25.7
125	13.4	7.8	11.8#





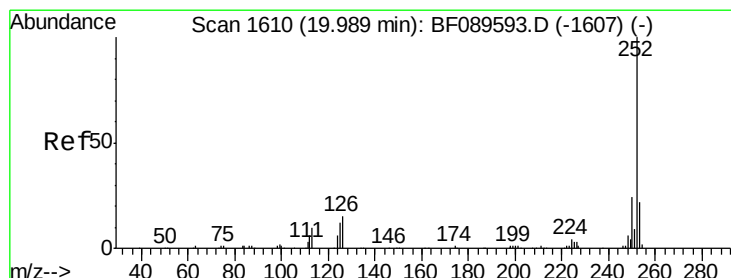
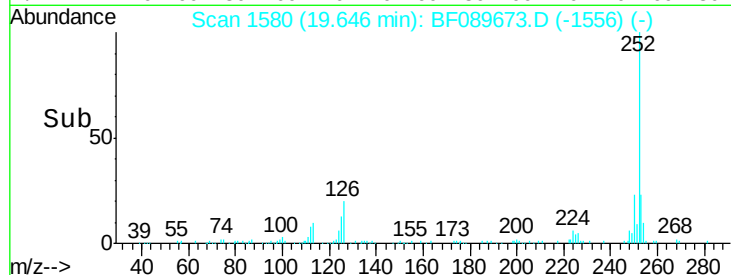
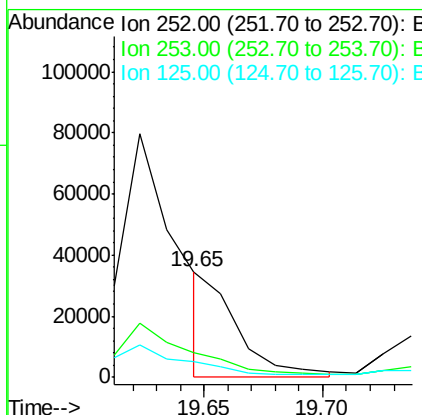
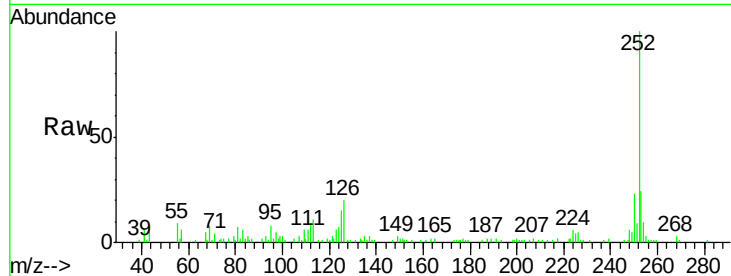
#88
Benzo(k)fluoranthene
Concen: 4.65 ng m
RT: 19.65 min Scan# 1580
Delta R.T. -0.02 min
Lab File: BF089673.D
Acq: 8 Aug 2016 21:49

Instrument :
BNA_F
ClientSampleId :
SB-66-0.5-1.5

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.3	25.9
125	15.0	11.0	16.6

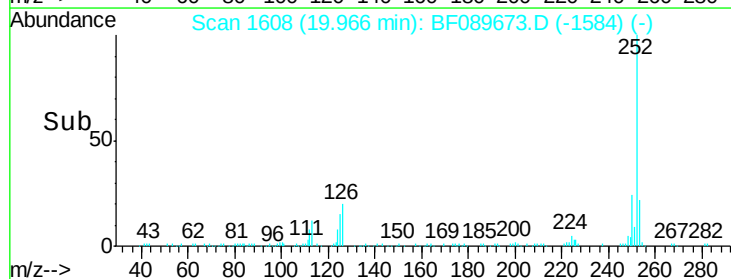
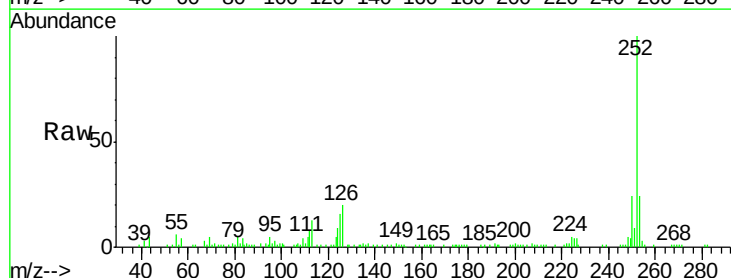
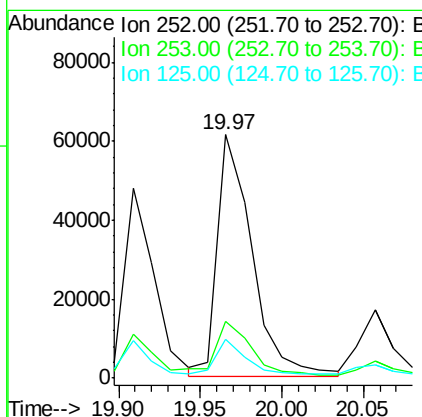
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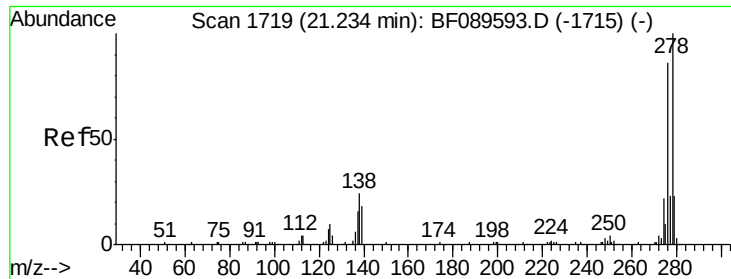
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#89
Benzo(a)pyrene
Concen: 14.57 ng
RT: 19.97 min Scan# 1608
Delta R.T. -0.02 min
Lab File: BF089673.D
Acq: 8 Aug 2016 21:49

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.4	26.0
125	16.0	9.9	14.9#





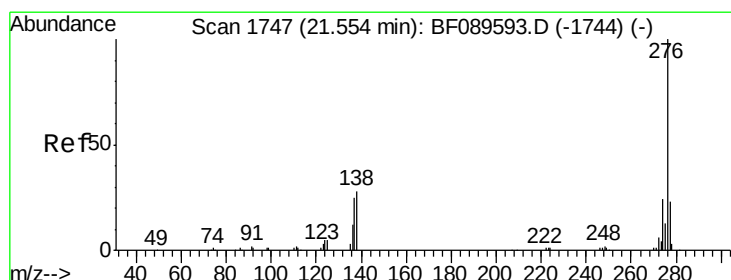
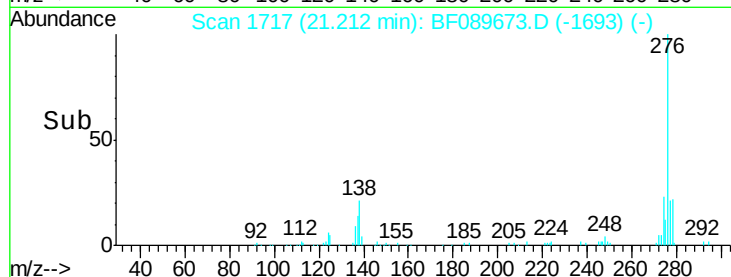
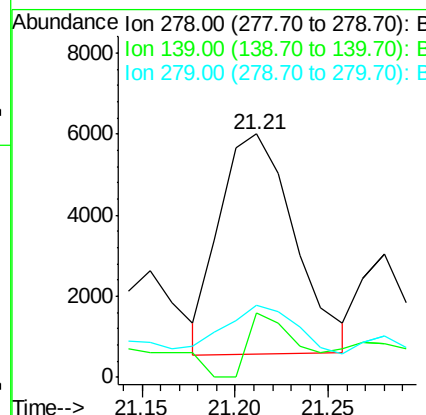
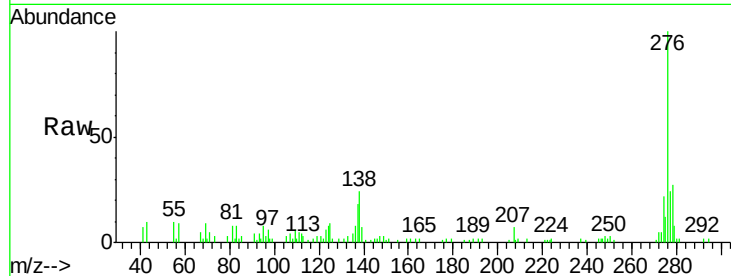
#90
Dibenzo(a,h)anthracene
Concen: 2.61 ng
RT: 21.21 min Scan# 1717
Delta R.T. -0.02 min
Lab File: BF089673.D
Acq: 8 Aug 2016 21:49

Instrument :
BNA_F
ClientSampleId :
SB-66-0.5-1.5

Tgt Ion	Ratio	Lower	Upper
278	100		
139	26.4	14.6	21.8#
279	29.8	18.4	27.6#

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#91
Benzo(g,h,i)perylene
Concen: 9.84 ng
RT: 21.53 min Scan# 1745
Delta R.T. -0.02 min
Lab File: BF089673.D
Acq: 8 Aug 2016 21:49

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.3	18.6	28.0
138	29.5	22.6	33.8

